

IN THE CLAIMS:

1. (Currently Amended) A clamping device for body part components with a component clamping contour including a component flange, the clamping device comprising:

a clamping device one or more clamping devices each having a frame-like frame  
structure with a plurality of pairs of [[s]] fixed and mobile, strip-shaped clamping units, each

5 clamping unit being adjacent to another clamping unit, each clamping unit being independently

movable, said clamping device being mounted for movement such that said clamping device is  
movable from an inoperative clamping device position to a working position, wherein at least

a portion of said clamping device is located within an opening of one of the body part  
components when said clamping device is in said working position which are adapted to the

10 course of said component clamping contour and are arranged therein, each of said clamping  
units having one or more clamping segments, as well as and an adjusting device, each clamping

segment engaging the component clamping contour of the body part components when said  
clamping device is in said working position such that said one or more clamping segments form

a clamping segment contour, said clamping segment contour being substantially identical to the  
component clamping contour of the body part components, said adjusting device feeding and

15 clamping one of which feeds and clamps said mobile clamping units to said component clamping  
contour.

2. (Currently Amended) A clamping device in accordance with claim 1, wherein the pairs of said clamping units are arranged one after another in the form of one of strips, or in an

open arc ~~or in~~ and an arc closed to form a ring.

3. (Previously Presented) A clamping device in accordance with claim 1, wherein said adjusting device actuates said mobile clamping units together in a controllable sequence.

4. (Currently Amended) A clamping device in accordance with claim 1, wherein said mobile clamping units ~~can be moved~~ are movable between a front clamped position and a rear inoperative position, wherein [[they]] said clamping units do not ~~are out of~~ overlap with said component clamping contour in the inoperative position, said mobile clamping units being in  
5 said inoperative position when said clamping device is in said inoperative clamping device  
position.

5. (Currently Amended) A clamping device in accordance with claim 1, wherein said mobile clamping units ~~can be moved~~ are movable in a translatory manner in two directions that extend essentially at right angles to one another.

6. (Previously Presented) A clamping device in accordance with claim 1, wherein said frame is arch-shaped or ring-shaped and has a bottom part and a cover part, which are arranged at spaced locations from one another and are rigidly connected with one another by connection parts, wherein said clamping units and parts of said adjusting device are arranged between said  
5 parts.

7. (Currently Amended) A clamping device in accordance with claim 1, wherein said mobile clamping units that are adjacent to one another overlap at [[the]] points of impact with an offset in height ~~and are mounted mutually displaceably~~.

8. (Previously Presented) A clamping device in accordance with claim 1, wherein said adjusting device has a combined pushing and clamping drive.

9. (Currently Amended) A clamping device in accordance with claim 1, wherein said adjusting device has one of an integrated motor, an [[or]] external motor and a [[or]] manual drive, said adjusting device including a cylinder, with a power divider for jointly applying pressure to said mobile clamping units.

10. (Currently Amended) A clamping device in accordance with claim 8, wherein said combined pushing and clamping drive has a plurality of cam shafts arranged each at [[the]] points of impact of said pairs of clamping units with said feed and clamping cams at different heights.

11. (Previously Presented) A clamping device in accordance with claim 9, wherein said cam shafts have multi-armed actuating levers for connection with said drive or with said power divider.

12. (Currently Amended) A clamping device in accordance with claim 10, wherein [[s]] feed cams are connected with said adjacent mobile clamping units by means of sliding blocks, said feed cams producing a and perform the feeding pushing movement.

13. (Currently Amended) A clamping device in accordance with claim 10, wherein a clamping cam is connected with a clamping wedge arrangement by means of a sliding block to generate [[the]] a joint clamping movement of said adjacent mobile clamping units.

14. (Currently Amended) A clamping device in accordance with claim 1, wherein said clamping means [[has]] comprises one or more feed devices for ~~said clamping device or said clamping devices.~~

15. (Currently Amended) A clamping device in accordance with claim 14, wherein said clamping device has at least one support for connection with said feed device or for fixing said clamping device in the working position.

16. (Previously Presented) A clamping device in accordance with claim 15, wherein a plurality of said clamping devices have one or more said supports for mutual connection in a series or for arrangement at an angle.

17. (Currently Amended) A clamping device in accordance with claim 1, wherein

[[said]] a feed device has a holder with at least one auxiliary axis for accommodating a plurality of said clamping devices and for [[the]] an internal feeding thereof to said components positioned ~~on the outside~~ of said feed device.

18. (Currently Amended) A clamping device in accordance with claim 1, wherein a plurality of said clamping devices are arranged at standardized feed modules.

19. (Currently Amended) A clamping device in accordance with claim 1, wherein a plurality of said feed modules ~~can be~~ are connected with one another to form a modular clamping frame.

20. (Currently Amended) A clamping device in accordance with claim 1, wherein said clamping segments have ~~said~~; alternately projecting pins, which engage ~~said~~; corresponding flange openings at [[said]] associated component flanges.

21. (Currently Amended) A machining station, comprising:  
a body part clamping arrangement for clamping body part components with a component clamping contour including a component flange with one or more frame structure clamping devices, one of said clamping body part components defining a body part opening, said one or more frame structure clamping devices comprising a plurality of pairs of fixed strip shaped clamping units and mobile strip-shaped clamping units, one clamping unit being adjacent

to another clamping unit, said one or more frame structure clamping devices being movable from a non-working position to a working position, wherein at least a portion of said one or more frame structure clamping devices is located within said body part opening when said one or more frame structure clamping devices is in said working position, each clamping unit being independently movable, each clamping unit moving simultaneously with another clamping unit from a non-body component support position to a body component support position when said one or more frame structure clamping devices is in said working position, said clamping units forming a row arrangement of clamping units when said clamping units are in said body component supporting position with each pair being adapted to the course of said component clamping contour and arranged therein, each of said clamping units having one or more clamping segments and an adjusting device which feeds and clamps said mobile clamping units to said component clamping contour, each clamping segment clamping said component flange when said clamping units are in said body component support position, said one or more clamping segments forming a clamping segment contour when said clamping units are in said body component support position, said clamping segment contour being substantially identical to said component clamping contour, wherein said machining station is designed as comprises a framing or welding station for framing or welding said body part components vehicle body shells.

22. (New) A clamping device in accordance with claim 14, wherein said feed device includes a clamping frame or an articulated arm robot, said clamping frame surrounding said

body part components.

23. (New) A clamping device in accordance with claim 22, wherein said clamping frame comprises clamping frame feed modules, said clamping frame feed modules defining a modular structure of said clamping frame.